

A man and a woman are seen from the back, looking at a large, colorful, abstract projection on a wall. The projection features a grid of various colors including yellow, orange, red, green, blue, and purple. The man is wearing a grey sweater and the woman is wearing a white top with a red strap. The scene is dimly lit, with the primary light source being the projection itself.

Double Vision

A Practice-led Investigation of Art and Differential Perception

Highlighting

Expression Intercession

Visions of Epigenetics

The background image shows an art installation. A wall is covered in large, vibrant, overlapping geometric shapes in shades of yellow, orange, red, green, blue, and purple. In the foreground, the dark silhouettes of several people are visible, some looking towards the wall. On the right, a man with a beard and a woman are seen from the side, looking at the installation. The overall atmosphere is artistic and immersive.

Double Vision

A Practice-led Investigation of Art and Differential Perception

David Lyons

Double Vision

A Practice-led Investigation of Art and Differential Perception

Double Vision is a collection of ongoing, practice-led, interrelated studies into artistic expression controlling perceptual experiences between audiences of varying visual acuities. The work is focused on those with different visual perceptions, particularly individuals with varying experiences, including how art is perceived by the blind and partially sighted.

These explorations lead to the translation of art and design to enhance meaning and accessibility. The ongoing artistic explorations are realized through printmaking, animation, augmented reality and multimedia formats.

David Lyons & Raz Ullah Expression Intercession Light Installation

Expression Intercession, a multi-media art installation, between artists David Lyons and Raz Ullah. The interactive environment consists of a dynamic motion graphic and a dynamic sound environment. The expressions of the motion graphic are influenced by changes in the immediate environment. These are influenced by audience interactions and factors within the setting of the artwork. The resulting changes to the artwork are meant as an analogy for changes in the epigenome.

David Lyons is a PhD student in Media Design at Abertay Dundee and is a PhD student at Jordanstone College of Art and Design. Lyons is currently producing a book of how artwork is seen through prints, motion graphics and sound. He is currently producing a book of how artwork is seen through prints, motion graphics and sound. He is currently producing a book of how artwork is seen through prints, motion graphics and sound.

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David Lyons & Raz Ullah Expression Intercession Installation Interactive

Expression Intercession, des artistes David Lyons et Raz Ullah est une installation multimédia collaborative. Cet environnement interactif est composé d'une animation graphique projetée sur un mur allié à un paysage sonore. L'expression de cette animation graphique et de ce paysage sonore sont influencées par la modification de l'environnement immédiat de l'œuvre. Ces variations sont déclenchées par les interactions avec le public au moyen de capteurs et de projecteurs placés au cœur du dispositif. Les transformations artistiques inhérentes aux influences environnementales sont alors proposées comme une analogie avec les changements de l'expression génétique en épigénétique.

David Lyons enseigne la communication visuelle à l'Université Abertray de Dundee en Ecosse. Il est également doctorant à Duncan au Jordanstone College of Art and Design de l'Université de Dundee. Lyons étudie les théories et les pratiques de la perception visuelle, explorant les manières dont sont perçues et interprétées les œuvres d'art à travers des gravures, des animations et des projections. Il produit actuellement des œuvres en collaboration avec l'artiste sonore Raz Ullah et l'informaticien David Flatla.

Raz Ullah est un musicien, artiste sonore et 'hardware hacker'. Son travail intègre à la fois des éléments analogiques et numériques, des logiciels interactifs, ainsi que des projections réalisées avec des instruments fabriqués par ses soins. Il a développé des travaux pour des installations et des événements au Festival d'Art d'Edimbourg, au Signal Festival de Prague, à la Fête de la Science à Dundee et pour NEON Digital Arts and Soundproof à Edimbourg.

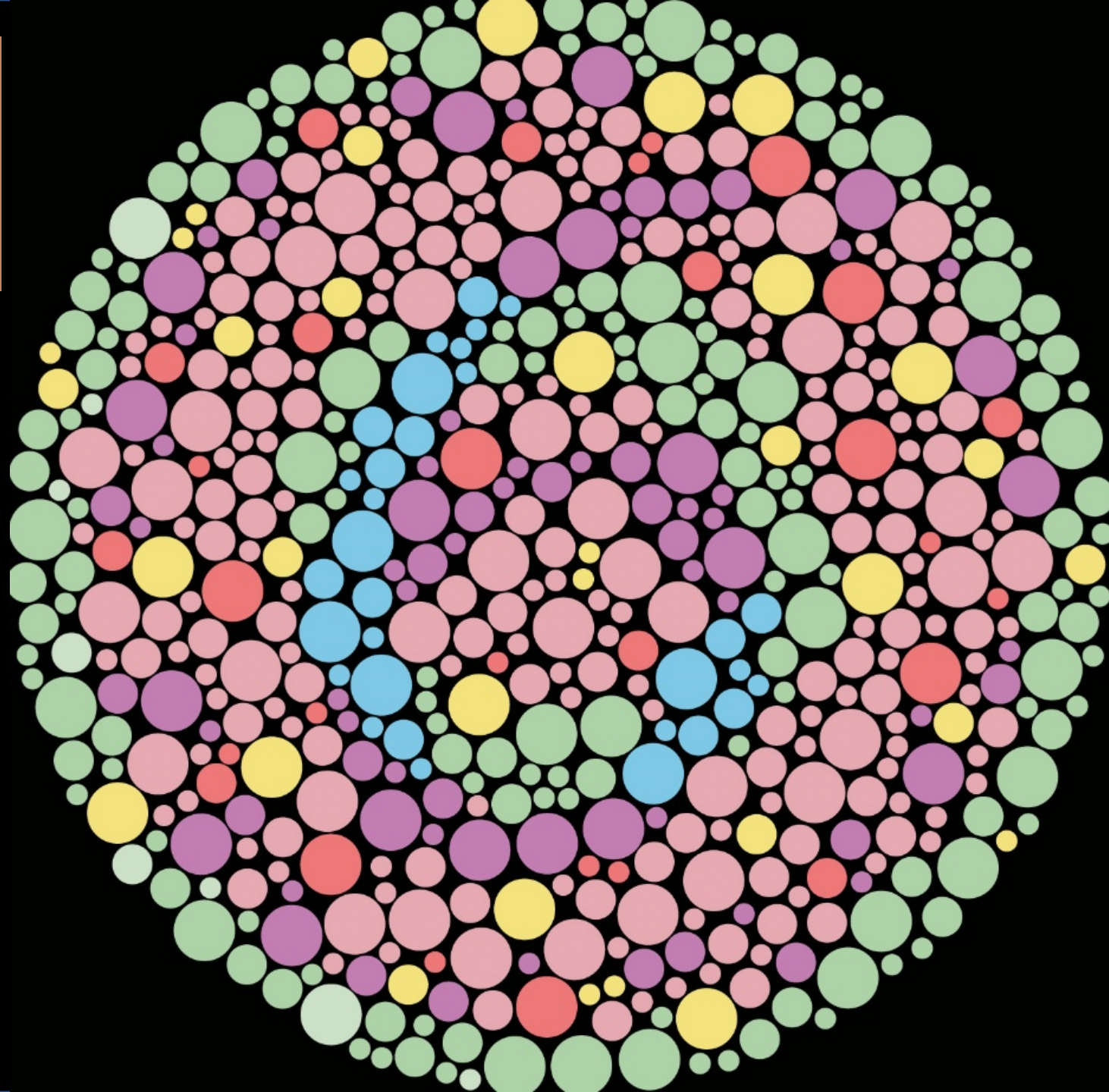


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Perception is interrogated through practice encompassing aesthetic sensibilities, design principles, artistic notions of colour grouping, colour theory and physiology. Later studies introduce computer programming, interaction and sound.

This work seeks an understanding of how distinct visual populations see the world, and to use that knowledge to explore and manipulate their perception of the world, through the medium of art. Additionally, it strives to access others' perceptual worlds.



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Double Vision comprises interrelated visual studies. Following is a brief description of each of the studies:

Double Blind Test Series investigates the relationship of vision and perception. Completed and first exhibited in 2013, it is outside of the focus of this report.

Colour Blind Test explores visual stimuli aiming to simultaneously engage audiences of varied colour vision acuities.

Eye for An Eye and *Triple Vision* seeks to advance perceptual interrogation through the introduction of movement, using motion graphics animation, projection mapping and sound.



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Ball of Confusion is an environment that integrates graphics, projected animations and a dynamic soundscape. It is an artistic analogy to colour deficient vision.

Expression Intercession is a multi-media art installation. The interactive environment consists of a wall-sized projected motion graphic and a dynamic soundscape. It was created as an artistic exploration of visual perception and the processes of epigenetics.

Circle Squared, through projected motion graphic and interactive sound, looks at colour creation and its effect on our perceptions and expectations by exploring the incongruous relationship between print and screen.

Sheep and Goats, a print diptych, communicates unique details exclusively to those with CVD while simultaneously containing imagery that those with typical colour vision experience.



A photograph of a couple standing in a museum gallery. The background is a wall covered in vibrant, multi-colored light projections in rectangular patterns. The couple is in the foreground, slightly out of focus. The woman is on the left, wearing a white and pink long-sleeved shirt and a crossbody bag. The man is on the right, wearing a grey ribbed sweater. The overall atmosphere is artistic and modern.

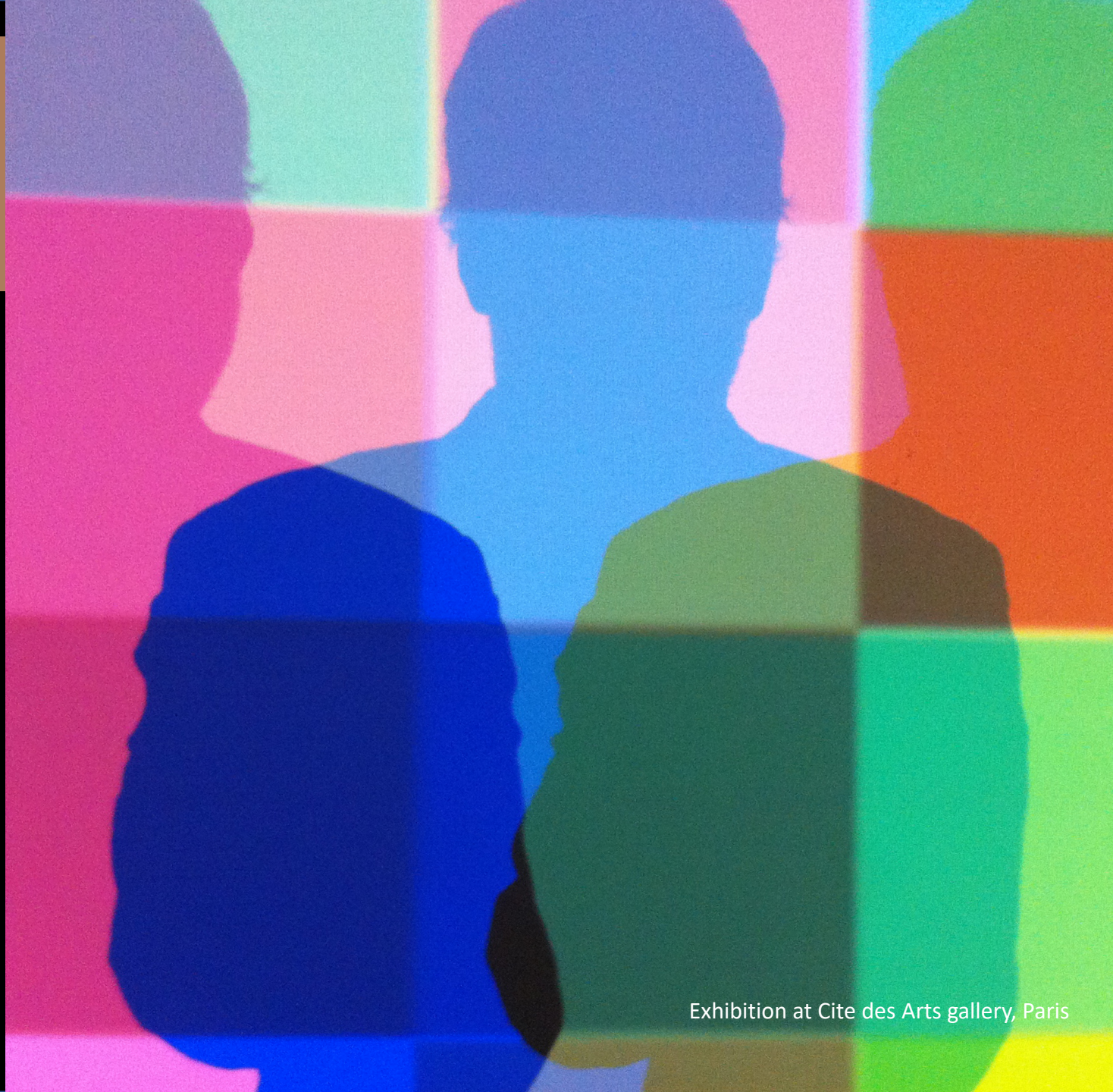
Expression Intercession Visions of Epigenetics

Expression Intercession

Overview

Expression Intercession, a multi-media art installation, is a collaboration between artists David Lyons and Raz Ullah. The interactive environment consists of a wall-sized projected motion graphic and a dynamic soundscape. It was created as an artistic exploration of the processes of epigenetics through the support of EpiGeneSys, a European Network of Excellence based at the Institut Curie, Paris.

Exhibition at Cite des Arts gallery, Paris



Expression Intercession

Overview

The expressions of the motion graphic and the soundscape are influenced by changes in the installation's immediate environment. Those changes are triggered by audience interactions with sensors and projectors within the installation setting. The changes to the art resulting from environmental factors are meant as an artistic analogy for gene expression and changes in the epigenome.



View of the projector array for Expression Intercession

Expression Intercession Exhibition

Expression Intercession was exhibited in *#Visions of Epigenetics* at the the Cite des Arts gallery in Paris. Coordinated and curated by Paul Harrison, the gallery's three floors featured artwork based around the theme of epigenetics. It was the artistic expression of a 3 year long scientific collaboration on epigenetics. The exhibition is documented in the book *(re)visions*. The exhibition inspired, and featured in, the French popular science magazine *Biofutur*'s art edition with Lyons and Ullah's interactive environment contribution appearing on the cover.



Expression Intercession

Visions of Epigenetics

Documentation:

Re(visions): Enigma of the environment: expression intercession Lyons, D. & Ullah, R., 2016, *(re) visions*. Harrison, P. L. & Nickel, D. (eds.). Dundee: Discovery Press, p. 88-91 4 p.

<https://rke.abertay.ac.uk/admin/editor/dk/atira/pure/api/s/hared/model/researchoutput/editor/contributiontobookanthologyeditor.xhtml?id=14693911>

Biofutur: Visions d'epigenetique. Artwork featured in Biofutur: BIOART, la rencontre des arts et de la science. 369 (October). Cover page and pp.36-37.

<https://www.lavoisier.fr/livre/sciences-de-la-vie/biofutur-n-369-octobre-2015/descriptif-9782756205526>

Video: <https://www.youtube.com/watch?v=G9sbl6EzyFY>

Epigenesys: <https://www.epigenesys.eu/en/science-and-society/art-and-science/1467-hashtag-visions-of-epigenetics>



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